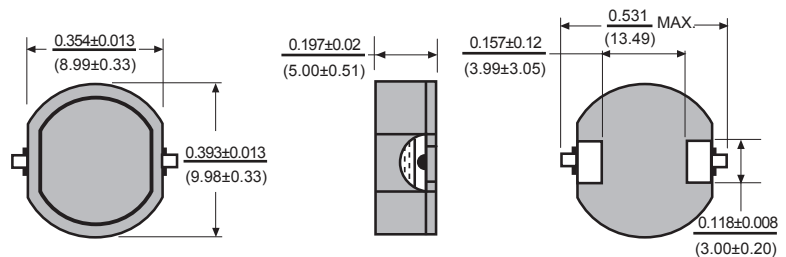




Power Chip Shielded Inductors PCS35

Dimensions: $\frac{\text{Inches}}{\text{(mm)}}$



Allied Part Number	Inductance (μh)	Tolerance (%)	Test Freq. (MHz)	DCR Max. (Ω)	*Rated Current (A)
PCS35-100M-RC	10	20	2.52	0.05	2.40
PCS35-120M-RC	12	20	2.52	0.06	2.30
PCS35-150M-RC	15	20	2.52	0.07	2.10
PCS35-180M-RC	18	20	2.52	0.08	1.90
PCS35-220M-RC	22	20	2.52	0.09	1.70
PCS35-270M-RC	27	20	2.52	0.10	1.60
PCS35-330L-RC	33	15	2.52	0.11	1.40
PCS35-390L-RC	39	15	2.52	0.13	1.30
PCS35-470L-RC	47	15	2.52	0.15	1.20
PCS35-560L-RC	56	15	2.52	0.19	1.10
PCS35-680L-RC	68	15	2.52	0.22	0.97
PCS35-820L-RC	82	15	2.52	0.30	0.88
PCS35-101L-RC	100	15	1KHz	0.34	0.80
PCS35-121L-RC	120	15	1KHz	0.38	0.73
PCS35-151L-RC	150	15	1KHz	0.51	0.65
PCS35-181L-RC	180	15	1KHz	0.57	0.60
PCS35-221L-RC	220	15	1KHz	0.77	0.54
PCS35-271L-RC	270	15	1KHz	0.89	0.49
PCS35-331L-RC	330	15	1KHz	1.01	0.44
PCS35-391L-RC	390	15	1KHz	1.42	0.41
PCS35-471L-RC	470	15	1KHz	1.57	0.37

Features

- Small size allows for high mounting density
- Suitable for Reflow Solder
- Large DC current capability with low DC resistance
- Embossed carrier tape available
- Polarity identification available
- Custom inductances available

Characteristics

Operating Temp.: -30° to +100°C.

External Appearance: Clean & no external defects by visual inspection

Terminal Strength: After soldering, push the coils will withstand the followings without falling off. 20.0N 20 sec.

Heat Endurance: Heat at 150°C for 3 minutes; then 200°C for 25 seconds. No mechanical or electrical defect after that when back at room temperature.

Insulation: Over 100M ohm at 100 VDC (coil and core).

Dielectric: 100VDC for one minute (coil and core).

Temperature Characteristics: (0 to 2000) x 10⁻⁶°C.

Environmental

Humidity: Deviate +/-5%, after 96 hours in 90-95% relative humidity at 40°C and 1 hour of drying.

Vibration: Deviate +/-5%, vibration of 1 hour, three direction; 10-55-10 Hz; 1.5mm p-p amplitude.

Shock: Deviate 5% after drop down 100G shock attitude of one time in each direction.

Physical

Packaging: 600 per 13 inch reel.

*Inductance drop no more than 10% at rated current applied or temperature rise ΔT = 40°C. All specifications subject to change without notice.